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# SEQUENCE LISTING

<100> Yakhini, Zohar  
Ben-Dor, Amir  
Sampas, Nick  
Dougherty, Edward  
Trent, Jeff  
Meltzer, Paul  
Chen, Yidong  
Weeraratna, Ashani  
Jiang, Yuan  
Bittner, Michael

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<212> DNA
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<211> 4286

<212> DNA

<213> Homo sapiens

<400> 13

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<223> n = gat or c

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<211> 1709

<212> DNA

<213> Homo sapiens

<400> 15

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<211> 387

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<213> Homo sapiens

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<222> (90)

<223> n = gat or c

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<222> (324)

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<400> 17



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<220>  
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 <213> Homo sapiens

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<210> 25

<211> 1043

<212> DNA

<213> Homo sapiens

<400> 25

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<210> 26

<211> 397

<212> DNA

<213> Homo sapiens

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<222> (380)

<223> n = gat or c

<220>

<221> misc\_feature

<222> (388)

<223> n = gat or c

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<211> 4986

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<223> n = gat or c

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<220>  
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 <223> n = gat or c

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 <212> DNA  
 <213> Homo sapiens

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<211> 503

<212> DNA

<213> Homo sapiens



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<220>  
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 <223> n = gat or c

<220>  
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 tttgaattca ctcgatattt tggactcctc agatgaacgg aacattgcac acacacttgg 180  
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 ctttctgct tttttttttt tttttttaa tgtttgccac acaggggaga aagaggggct 420  
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 ttgngctga ggaagggga ggg 503

<210> 31  
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 <212> DNA  
 <213> Homo sapiens

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<210> 32
<211> 418
<212> DNA
<213> Homo sapiens

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<220>
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<223> n = gat or c

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<220>
<221> misc_feature
<222> (353)
<223> n = gat or c

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<220>
<221> misc_feature
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<223> n = gat or c

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<220>
<221> misc_feature
<222> (411)
<223> n = gat or c

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aacaccgaca	gcgccacgtc	ccctggggca	ggaaaggtgg	atgccccagg	ggcacttctg	300
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<210> 33

<211> 2910

<212> DNA

<213> Homo sapiens

<400> 33

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<211> 461

<212> DNA

<213> Homo sapiens

<400> 34

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<211> 1096

<212> DNA

<213> Homo sapiens

<400> 35

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tgttctctat	gtaggctcca	aaaccaagga	gggagtgggtg	catgggtgtg	caacagtggc	180
tgagaagacc	aaagagcaag	tgacaaatgt	tggaggagca	gtggtgacgg	gtgtgacagc	240
agtagcccag	aagacagtgg	agggagcagg	gagcattgca	gcagccactg	gctttgtcaa	300
aaaggaccag	ttgggcaagg	aagggatatca	agactacgaa	cctgaagcct	aagaaatatc	360
tttgctccca	gtttcttgag	atctgctgac	agatgttcca	tcctgtacaa	gtgctcagtt	420
ccaatgtgcc	cagtcatgac	atttctcaaa	gtttttacag	tgtatctcga	agtcttccat	480
cagcagtgat	tgaagtatct	gtacctgccc	ccactcagca	tttcgggtgct	tccctttcac	540
tgaagtgaat	acatggtagc	agggctctttg	tgtgctgtgg	attttgtggc	ttcaatctac	600
gatgttaaaa	caaattaaaa	acacctaagt	gactaccact	tattttctaaa	tcctcactat	660
ttttttgttg	ctgttgttca	gaagttgtta	gtgatttgct	atcatatatt	ataagatttt	720

```

taggtgtctt ttaatgatac tgtctaagaa taatgacgta ttgtgaaatt tgттаатата 780
tataatactt aaaaatatgt gagcatgaaa ctatgcacct ataaatacta aatatgaaat 840
tttaccattt tgcgatgtgt tttattcact tgtgtttgta tataaatgggt gagaattaaa 900
ataaaacgtt atctcattgc aaaaatattt tatttttatc ccatctcact ttaataataa 960
aatcatgct tataagcaac atgaattaag aactgacaca aaggacaaaa atataaagtt 1020
attaatagcc atttgaagaa ggaggaattt tagaagaggt agagaaaatg gaacattaac 1080
cctacactcg gaattc 1096

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<210> 36
<211> 450
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (407)
<223> n = gat or c

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<220>
<221> misc_feature
<222> (430)
<223> n = gat or c

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<400> 36
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tggcttacag gagagactag acaggaaggc caggcaatgc ttaggcaact aaaatgaggt 180
tggggggtaat gctaacgtca cctcacagg gatggccacg gggactgtta ttcgcaagct 240
ggttttctag acctgttagc tggaagcatg gtgagcacca tttctgggac gctcaggccg 300
tgtcgggctt cagtcatctc caccacacag gtacagcagg cgcttttctg ggtaggtcgc 360
ccttagtgtc ttgctgggat attaatagta caggggactt gccgtanttt ctcttggtt 420
tcagaccan ttttcaacat gttccatttc 450

```

```

<210> 37
<211> 1362
<212> DNA
<213> Homo sapiens

```

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<400> 37
catttgggga cgctctcagc tctcggcgca cggcccagct tccttcaaaa tgtctactgt 60
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tgggtctgtc aaagcctata ctaactttga tgctgagcgg gatgctttga acattgaaac 180
agccatcaag accaaagggtg tggatgaggt caccattgtc aacattttga ccaaccgcag 240
caatgcacag agacaggata ttgccttcgc ctaccagaga aggacaaaa aggaacttgc 300
atcagcactg aagtcagcct tatctggcca cctggagacg gtgattttgg gcctattgaa 360
gacacctgct cagtatgacg cttctgagct aaaagcttcc atgaaggggc tgggaaccga 420

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cgaggactct ct cattgaga tc atctgctc cagaaccaac caggagctgc aggaaattaa 480
cagagtctac aaggaaatgt acaagactga tctggagaag gacattattt cggacacatc 540
tggtgacttc cgcaagctga tggttgccct ggcaaagggg agaagagcag aggatggctc 600
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gtactgtgtc ataaacagat gaataaactg aatttgtact tt 1362

```

```

<210> 38
<211> 480
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (311)
<223> n = gat or c

```

```

<220>
<221> misc_feature
<222> (389)
<223> n = gat or c

```

```

<220>
<221> misc_feature
<222> (454)
<223> n = gat or c

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```

<220>
<221> misc_feature
<222> (470)
<223> n = gat or c

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<400> 38
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ggagtgacca tagctccttc tctcttacat tgaatgtaga gaatgtagcc attgtagcag 180
cttggtgtgt cacgcttctt cttttgagca actttcttac actgaagaaa ggcagaatga 240

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gtgcttcaga atgtgatttc ctactaacct gttccttgga taggcttttt agtatagtat 300  
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 atgactgctt catgacattc ctaaactanc tttttttatt ccacatctac gtttttggtg 420  
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<210> 39

<211> 1597

<212> DNA

<213> Homo sapiens

<400> 39

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 actttccttg cagagccaat gaaaggccct attgctatgc aatctggtcc aaaaccactc 180  
 ttcaggagga tgtcttctact ggtgggcccc acgcaaagct tcttcatgag ggaatctaag 240  
 actttggggg ctgtccagat tatgaatggg ctcttccaca ttgccctggg gggcttctctg 300  
 atgatcccag cagggatcta tgcacccatc tgtgtgactg tgtggtacct tctctgggga 360  
 ggcattatgt atattatttc cggatcactc ctggcagcaa cggagaaaaa ctccaggaag 420  
 tgtttggtca aaggaaaaat gataatgaat tcattgagcc tctttgctgc catttctgga 480  
 atgattcttt caatcatgga catacttaat attaaaattt cccatttttt aaaaatggag 540  
 agtctgaatt ttattagagc tcacacacca tatattaaca tatacaactg tgaaccagct 600  
 aatccctctg agaaaaactc cccatctacc caatactgtt acagcataca atctctgttc 660  
 ttgggcattt tgtcagtgat gctgatcttt gccttcttcc aggaacttgt aatagctggc 720  
 atcgttgaga atgaatggaa aagaacgtgc tccagaccca aatctaacat agttctctctg 780  
 tcagcagaag aaaaaaaaaga acagactatt gaaataaaaag aagaagtggg tgggctaact 840  
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 tttttttatt ccacatctac gtttttggtg gagtccctti tgcattcattg ttttaaggat 1440  
 gataaaaaaa aaataacaac tagggacaat acagaaccca ttccatttat ctttctacag 1500  
 ggctgacatt gtggcacatt cttagagtta ccacacccca tgagggaagc tctaaatagc 1560  
 caacacccat ctgttttttg taaaaacagc atagctt 1597

<210> 40

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (146)..(148)  
<223> n = gat or c

<220>  
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<222> (347)  
<223> n = gat or c

<220>  
<221> misc\_feature  
<222> (411)..(413)  
<223> n = gat or c

<220>  
<221> misc\_feature  
<222> (421)  
<223> n = gat or c

<400> 40  
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agaataagtg agtaggcccc gttggnangc tagacagtaa aaacagactc aacagcagcc 180  
gccccagcc tgctgtcctc cctgattgcc tgcatgtgtt gcattggtag cagcatgctg 240  
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tttcataaat ttcttttgcgt gtattaataa atgcctcttc tacattngga agcagtctta 360  
gcagacgttt ccatgaagat gagtccatgg tcccgtggca aaaggcttca ncnttccttc 420  
ntttttttac ttct 434

<210> 41  
<211> 1148  
<212> DNA  
<213> Homo sapiens

<400> 41  
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gaggctgagc ggcaccgggg ttggggcgcg gaggaggagc agcagcggga ggaggagccg 180  
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tcagccagtg catgacctta ctattggtgt agagttcggg gctcgaatga taactattga 360  
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catggtcatt atgcttattg gaaataaaaag tgatttagaa tctagaagag aagtaaaaaa 600  
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gactgcttcc aatgtagaag aggcatttat taatacagca aaagaaattt atgaaaaaat 720  
tcaagaagga gtctttgaca ttaataatga ggcaaattgg attaaaattg gccctcagca 780



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cccctctcct	cctgctcagc	tgagacatga	aactatttga	aatggcttta	tgtcacagaa	960
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